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Richmond, Virginia

AUG 13 1992

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To: Linda Vinson **Date:** August 12, 1992

From: Gordon Bokelman and Jack Stimler

Subject: Blend Composition Analysis of Various Packagings of Kool Cigarettes

Chemical analyses have been completed on the samples that you recently submitted, representing various packagings of Kool cigarettes. These data were processed by our present mathematical model for determining components in a tobacco blend. In this model, four chemical predictors (total ash; aspartic acid; β-methylvaleric acid, ratio of sample to standard; and cellulose index) were used as independent variables for the four dependent variables: bright lamina, burley lamina, Oriental leaf, and combined bright and burley stems. Stems, of course, may be present in a number of forms, including expanded stems and reconstituted tobaccos.

Due to lack of independence in the predictor set used for model derivation, precise confidence limits on individual components are not meaningful (see Acc. No. 84-038, p. 25). Also, please note that this method of predicting blend components may not give accurate results unless the actual tobacco components to be used are incorporated into the database, a condition which for practical purposes only can be met for products manufactured by Philip Morris. The database for the samples you submitted consisted of typical commercial tobacco components used by Philip Morris for domestic cigarette production in the second quarter of 1991. For the sake of comparison, data on a Kool 85 mm sample from May, 1991, also have been reported. For this latter sample only a database from 1988 was utilized.

The predicted blend compositions for the various Kool samples are shown in Table 1. The samples of Kool 85 mm, Kool 85 mm Classic Menthol and Kool Superlongs Classic Menthol which you submitted were all found to have the same blend composition: 41-43% bright lamina, 30-34% burley lamina, 7-8% Oriental leaf and 17-21% stems. The Kool 85 mm samples from June, 1992, and May, 1991, also appear to have essentially the same blend composition.

Table 1. Predicted Blend Compositions for Kool Cigarettes
(values expressed as percentage of total)

Component	Kool Superlongs Classic Menthol 6/92	Kool 85 mm Classic Menthol 6/92	Kool 85 mm 6/92	Kool 85 mm 5/91
Bright Lamina	43	42	41	45
Burley Lamina	31	34	30	30
Oriental Leaf	7	7	8	9
Stem	19	17	21	16

Source: https://www.industrydocuments.ucsf.edu/docs/qlmk0001